

in the eighth step; and

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a tenth step of determining the external
apparatus whose source IP address is judged to be
nonidentical or is judged to be not within the
predetermined valid period as an apparatus not to
be responded to thereafter by the intelligent
interconnecting device and causing the intelligent
interconnecting device to notify a predetermined
managing computer of the source IP address of the
external apparatus which is determined as the
apparatus not to be responded to, when the source
IP address of the external apparatus is judged to
be nonidentical with the stored source IP address
in the seventh step or within the predetermined
valid period in the eighth step.

15. A recording medium in which a computer
readable unauthorized access avoiding program is
recorded according to claim 13,

wherein the unauthorized access avoiding
program further comprises:

an eleventh step of causing the intelligent
interconnecting device to notify a predetermined
managing computer of the source IP address of the
external apparatus which is determined as the

apparatus not to be responded to by the intelligent interconnecting device in the tenth step.

16. An intelligent interconnecting device having
5 a function of repeating a packet which is
transmitted/received between a plurality of
computers and being structured to be controllable
by an external apparatus based on a TCP/IP protocol,
the intelligent interconnecting device
10 comprising:

a LAN trunk line interfacing section having
an interface function with a LAN trunk line;

a port interfacing section having an interface
function with a terminal connected thereto;

15 a storage section for storing a program and
data therein, and

a central controlling section for controlling
operations of said LAN trunk line interfacing
section, said port interfacing section, and said
20 storage section,

wherein said central controlling section
executes the following steps:

to extract a source IP address included in a
packet which is transmitted from an external
25 apparatus and store it in said storage section when

an access from the external apparatus is authenticated through execution of the TCP/IP protocol;

to judge, when an access from an external
5 apparatus occurs thereafter, whether or not a source IP address of the external apparatus giving the access is identical with the stored source IP address; and

to permit communication thereafter with the
10 external apparatus having the source IP address identical with the stored transmitting end IP address only when the source IP address is judged to be identical with the stored source IP address.

15 17. An intelligent interconnecting device according to claim 16,

wherein, when the source IP address is judged to be nonidentical with the stored source IP address, said central controlling section
20 registers the source IP address which is judged to be nonidentical with the stored source IP address in an unauthorized access IP list.

18. An intelligent interconnecting device
25 according to claim 16,